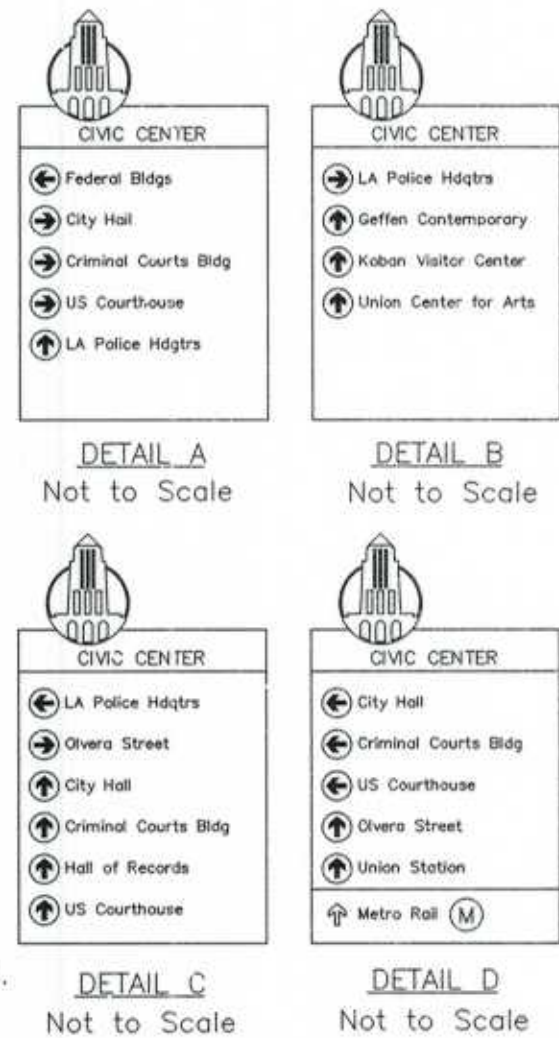


ESTIMATED SALVAGE MATERIAL TO BE RETURNED TO LADOT	
UNITS	MATERIAL
1	Removed LED Signal & Ped. Heads
1	2070 Controller

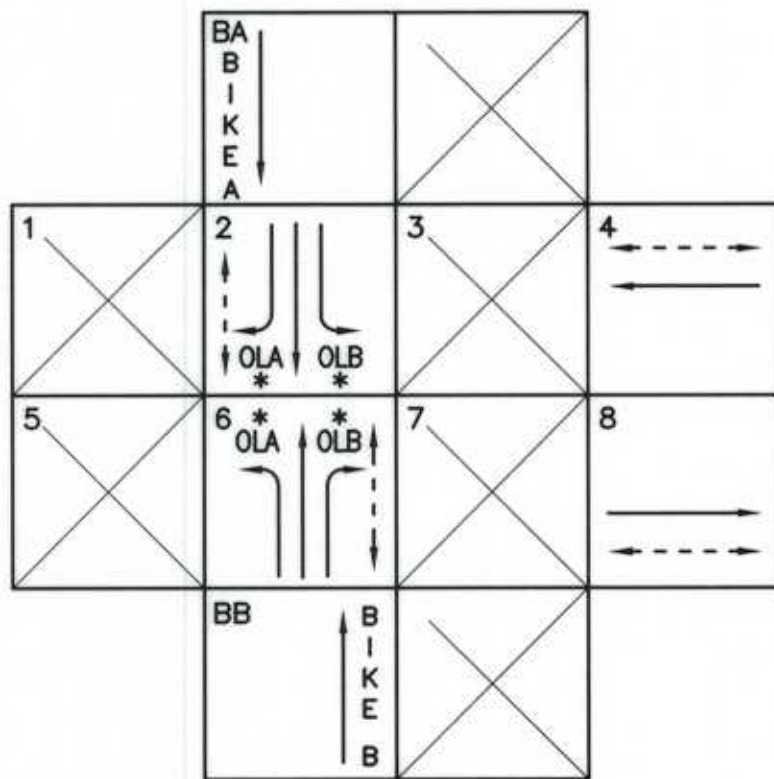
# NOTES:

- SEMI-ACTUATED OPERATION (ATSAC 2070 CONTROLLER IN 332 CABINET)  
02 - LOS ANGELES ST. SB & W/S PED. XING  
04 - TEMPLE ST. WB & N/S PED. XING  
06 - LOS ANGELES ST. NB & E/S PED. XING  
08 - TEMPLE ST. EB & S/S PED. XING  
BA - LOS ANGELES ST. SB BIKE  
BB - LOS ANGELES ST. NB BIKE  
OLA (02 & 06) - LOS ANGELES ST. SB RT & NB LT  
OLB (02 & 06) - LOS ANGELES ST. NB RT & SB LT  
DOWNTOWN ATSAC SYSTEM  
CABLE INTERCONNECT
- INSTALL/REMOVE SIGNS, STRIPING AND PAVEMENT MARKINGS PER LADOT GEOMETRIC DESIGN DWG. NO. A-6476A.
- REMOVE CONTROLLER AND CABINET; RETAIN FOUNDATION.
- INSTALL ATSAC 2070 CONTROLLER IN 332 CABINET. THE CONTRACTOR SHALL PROVIDE A COMPLETE FUNCTIONING CONTROLLER ASSEMBLY AND CABINET CONFORMING TO THE LATEST LADOT SPECIFICATION FOR 2070 CONTROLLER AND CABINET, AND SHALL INCLUDE ALL NECESSARY AUXILIARY EQUIPMENT TO PROVIDE A COMPLETE AND FUNCTIONING CONTROLLER. CONTRACTOR TO DELIVER COMPLETELY ASSEMBLED CONTROLLER FOR TESTING TO THE DEPARTMENT OF TRANSPORTATION GENERAL SHOP, PAPER TECHNICAL CENTER, 555 RAMIREZ STREET THIRTY (30) DAYS PRIOR TO INSTALLATION. CONTRACTOR TO PICK UP AND INSTALL CONTROLLER ASSEMBLY ON EXISTING F-332 FOUNDATION.
- INSTALL ACCESSIBLE PEDESTRIAN SIGNAL (APS) AS PER LADOT STD. DWG. NO. S-73.2.
- INSTALL 4"-DIAMETER BIKE LOOP(S) IN CENTER OF BIKE LANE PER LADOT STD. DWG. NO. S-70.10 CASE 1. CONTRACTOR SHALL OBTAIN APPROVAL FROM LADOT INSPECTOR PRIOR TO INSTALLATION OF ANY LOOPS.
- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, STANDARD, PULLBOX, FOUNDATION AND ABANDON CONDUIT(S).
- INSTALL SIGN(S), OR SIGN(S) AND POST(S) AS SHOWN.
- THE CONTRACTOR SHALL FURNISH AND INSTALL HIGH LEVEL (LARGE) AND LOW LEVEL (SMALL) STREET NAME SIGNS PER LADOT STD. DWG. NOS. S-457.0, S-486.0, S-221.3 AND S-438.0. IF LARGE STREET NAME SIGN IS INSTALLED ON SIGNAL POLE STANDARD, USE SIGNFIX CHANNELING MOUNT WITH UNIVERSAL CLAMP SX0220. IF LARGE STREET NAME SIGN IS INSTALLED ON TYPE 1 OR 1A POLE, USE LADOT SIGNAL CADDLE BRACKET AND GUIDE.
- INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1A. & S-70.1.D CASE II. CONTRACTOR SHALL OBTAIN APPROVAL FROM LADOT INSPECTOR PRIOR TO INSTALLATION OF ANY LOOPS.
- CONTRACTOR SHALL CONTACT LADOT SIGNAL DESIGN SECTION AT (213) 928-9640 FOR ANY SIGNAL RELATED PROBLEMS ENCOUNTERED DURING CONSTRUCTION.
- ALL NEW VEHICLE AND COUNTDOWN PEDESTRIAN TRAFFIC SIGNAL HEADS SHALL BE LED MODULES PER LADOT SPECIFICATION 92-088-08 (LATEST EDITION).
- USE STRAP-ON TENON AB-116 PER LADOT STD. DWG. NO. S-63.1.4 TO MOUNT SIGNAL HEAD ON MAST ARM. ADJUST THE MOUNTING BRACKET TO MAINTAIN (17 FEET) CLEARANCE OVER ROADWAY.
- AIM TRAFFIC SIGNAL TOWARDS MIDDLE OF THROUGH LANE.
- ABANDON AND DISCONNECT DETECTOR LOOP(S) IN PULLBOX AS SHOWN.



SIGNAL STANDARD SCHEDULE					
No.	TYPE	FOUND. TYPE	PED. PUSH BUTN TYPE	PHASE	REMARKS
1	332 Cab.	*F-332	-	-	2070 Controller in 332 Cabinet
2	*CD953	*BSL	APS(6P)	-	Install APS
3	26-4-100	CIDH	APS(4P)	-	Install 40' Mast Arm, F=12', F=8'; Install APS
4	*BSL	*BSL	APS(4P)	-	UM40314 STD., Install APS
5	*BSL	*BSL	APS(2P)	-	UM40314T STD., Install APS
6	*BSL	*BSL	APS(2P)	-	Install APS
7	*BSL	*BSL(Special)	APS(8P)	-	UM40314T STD., Install APS, F=8'
8	29-5-100	CIDH	APS(8P)	-	Install 55' Mast Arm, F=15'; Install APS
9	*CD953C7	*BSL	APS(6P)	-	Install APS

\* Existing  
\*\* As Per LADOT Std. Dwg. No. S-52.1.6

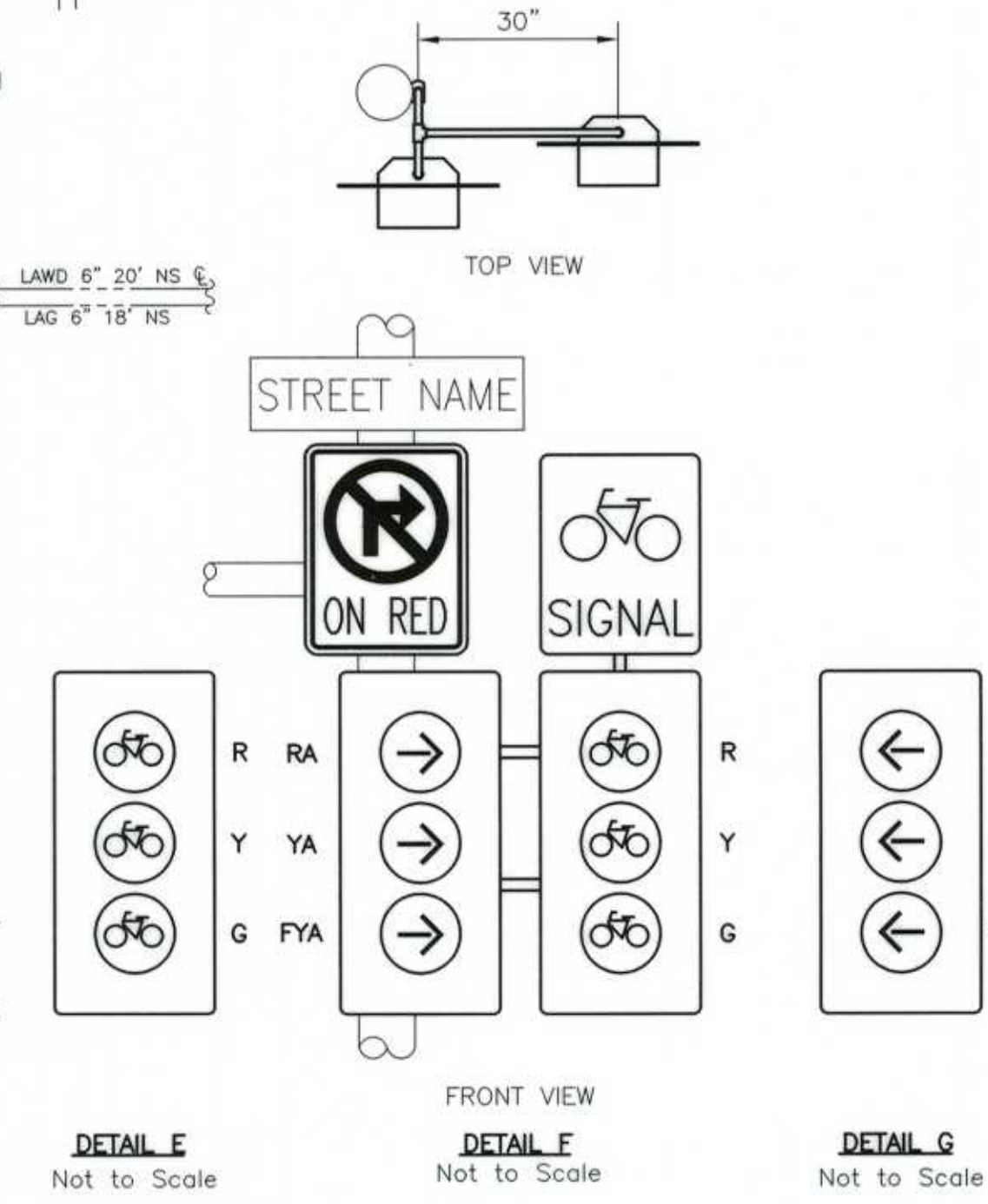


CONDUCTOR SCHEDULE		RUN											
SIZE No.	CABLE / WIRE												
3	CONDUCTOR CABLE 3 X #14												
5	CONDUCTOR CABLE 5 X #14	2	5					1				6	
9	CONDUCTOR CABLE 8 X #14 & 1 X #10 (COM)												
13	CONDUCTOR CABLE 12 X #14 & 1 X #10 (COM)												
28	CONDUCTOR CABLE 27 X #14 & 1 X #10 (COM)											1	1
6	SERVICE												
14	PED PUSHBUTTON												
12	BUS DLC (1-PAIR)												
18	DLC (2 PAIR)	2	5	5	5	2			5	5		10	10
18	DLC (3 PAIR)								1	1	1	1	1
18	DLC (4 PAIR)												
22	DLC (EXISTING)												
14	ACCESSIBLE PEDESTRIAN SIGNAL (APS)	2	2		2	2	2	2	2	2	2	2	2
14	CONDUIT SIZE	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	3"	3"

NOTE: FOR EXISTING CONDUIT RUNS DESIGNATED WITH AN "\*" (ABOVE), THE CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES AND PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.

# NOTICE TO CONTRACTOR

- EXCEPT WHERE OTHERWISE INDICATED, MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE LATEST EDITION, WITH SUPPLEMENTS, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ADOPTED BY THE CITY OF LOS ANGELES BOARD OF PUBLIC WORKS (LABPW), INCLUDING THE LATEST VERSION OF STANDARD PLAN S-610 ISSUED BY THE LABPW, AND THE LATEST EDITION, WITH AMENDMENTS, OF THE SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS, ISSUED BY THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT).
- ALL TRAFFIC SIGNAL AND/OR RELATED ELECTRICAL WORK SHALL BE PERFORMED AND INSPECTED UNDER THE CONDITIONS OF THE MOST CURRENT AMENDED BOARD OF PUBLIC WORKS "ENHANCED ELECTRICAL SAFETY POLICY" AS REQUIRED IN LADOT'S SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS (RED BOOK), REGARDLESS OF CONTRACT COST.
- THE LADOT TRAFFIC SIGNAL INSPECTOR AT (213) 485-1071 SHALL BE NOTIFIED THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. FOR WORK IN THE AUTOMATED TRAFFIC SURVEILLANCE AND CONTROL (ATSAC) PROJECT AREA, A FIELD MEETING SHALL BE SCHEDULED WITH THE SIGNAL SYSTEM SUPERVISOR AT (213)473-8286 AND THE SIGNAL MAINTENANCE SUPERVISOR AT (213) 485-7721 THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. FULL RESTORATION OF THE ATSAC SYSTEM MUST OCCUR WITHIN FIVE (5) WORKING DAYS AFTER SHUT DOWN.
- REGULAR TRAFFIC SIGNAL CONTROL SHALL BE MAINTAINED FROM 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 7:00 P.M. ON WEEKDAYS. EXCEPT NATIONAL HOLIDAYS, FLASHING, DEACTIVATION AND ACTIVATION OF SIGNALS SHALL BE ACCOMPLISHED ONLY BY A LADOT TRAFFIC SIGNAL ELECTRICIAN. ALL ARRANGEMENTS TO DEACTIVATE SIGNALS SHALL BE MADE 24 HOURS IN ADVANCE BY CONTACTING THE LADOT TRAFFIC SIGNAL DEDICATED LINE AT (213) 473-8478 BEFORE 9:00 A.M. ON NON-HOLIDAY WEEKDAYS. THE LADOT PROJECT NUMBER MUST BE GIVEN AT THIS TIME. THE CONTRACTOR WILL BE CHARGED FOR ALL ELECTRICAL AND TRAFFIC CONTROL SERVICE PROVIDED BY LADOT.
- ARRANGEMENTS FOR OBTAINING ANY MATERIALS IDENTIFIED TO BE SUPPLIED BY LADOT SHALL BE MADE TEN (10) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT FIELD OPERATIONS DIVISION AT (213) 928-9603. HOWEVER, TRAFFIC SIGNAL CONTROLLERS REQUIRE THIRTY (30) WORKING DAYS ADVANCE NOTICE AND MUST BE PICKED UP WITHIN FIFTEEN (15) WORKING DAYS AFTER NOTIFICATION. CONTACT LADOT SIGNAL SHOP AT (213) 473-8468 TO COORDINATE CONTROLLER DELIVERY AND/OR PICKUP.
- ALL IDENTIFIED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO LADOT. ARRANGEMENTS FOR RETURNING IDENTIFIED EQUIPMENT TO LADOT SHALL BE MADE FIVE (5) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT MATERIAL CONTROL DIVISION AT (213) 928-9636.
- ALL EXISTING TRAFFIC CONTROL SIGNING SHALL BE MAINTAINED WITH STANDARD SIGN BRACKETS BY THE CONTRACTOR. EXCEPT WHERE OTHERWISE INDICATED, EXISTING LARGE STREET NAME SIGNS ON MAST ARM TYPE STANDARDS SHALL BE RELOCATED FROM THE VERTICAL POLE TO THE MAST ARM PER LADOT STANDARD DRAWING NO. S-457.0 AND S-486.0. THE CONTRACTOR SHALL COORDINATE WITH LADOT SIGN SHOP AT (213) 473-7954 FOR ANY REQUIRED LARGE STREET NAME SIGNS. ANY TRAFFIC CONTROL SIGNING DAMAGED OR LOST BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SIGNAL CONTRACTOR SHALL INSTALL MAST ARM MOUNTED SIGNS. FOR THE INSTALLATION OF A STREET NAME SIGN ON A TYPE 1 POLE, THE CONTRACTOR SHALL FURNISH AND INSTALL A POLE EXTENSION AS NEEDED.
- THE CONTRACTOR SHALL FURNISH AND INSTALL, AS SHOWN ON THE PLANS, ALL TRAFFIC SIGNAL EQUIPMENT SUCH AS STANDARDS, MAST ARMS, SIGNAL HEADS, AND OTHER EQUIPMENT AS REQUIRED. ALL SUCH EQUIPMENT SHALL BE NEW. ALL VEHICLE HEAD EQUIPMENT SUPPLIED BY THE CONTRACTOR SHALL HAVE 1-1/2 INCH DIAMETER PIPE FIT MOUNTING HARDWARE, INCLUDING ALL TOP POST MOUNT HEADS. PED HEAD MODULE REPLACEMENTS SHOWN ON THE PLAN SHALL REQUIRE A COMPLETE INSTALLATION, INCLUDING NEW PED HEAD AND TERMINAL COMPARTMENT.



THIS PLAN SUPERCEDES THE PLAN SIGNED ON SEP 15, 2015

Scale: 1" = 20'

LOS ANGELES STREET CYCLE TRACK North/South: LOS ANGELES ST.

SUBMITTED April 21, 2016  
Transportation Engineer

APPROVED April 21, 2016  
Senior Transportation Engineer

**AS BUILT**

Date of Installation: \_\_\_\_\_

LADOT Inspector: \_\_\_\_\_

Condition As Of: \_\_\_\_\_

LADOT Engineer: \_\_\_\_\_

District: CENTRAL

References: Thomas Guide 634-G3

FILE NAME: 02030-2016.DWG

INTERSECTION NO.: 02030

PROJECT NO.: LTF14002

NOTICE: IF PLAN HAS NOT BEEN IMPLEMENTED WITHIN TWO (2) YEARS OF THE APPROVAL DATE, IT MUST BE RESUBMITTED TO LADOT SIGNAL DESIGN SECTION FOR REVIEW AND APPROVAL.